



# Panasonic DMC-FZ200 Rear Wheel Switch Replacement

The DMC-FZ200 rear wheel switch allows selecting and changing options for different camera parameters, such as aperture or shutter speed. This repair shows how to replace a failed rear wheel switch with a new part.

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## INTRODUCTION

The Panasonic DMC-FZ200 camera rear wheel switch has seen multiple reported failures. Most reports have the push action fail to register the requested settings changes while a fewer number of switches have seen the rotating dial fail to register. Either condition can be repaired by replacing the faulty rear wheel switch with a new unit.

I suggest downloading a copy of the DMC-FZ200 Service Manual as a reference. I also recommend printing the pertinent pages and placing any removed screws or parts on the pages where they're identified to help ensure the right parts go back where they came from.

I also suggest reviewing the following document to familiarize yourself with the Zero Insertion Force (ZIF) connectors used for connecting flex ribbon cables to the system components:

[Recognizing & Disconnecting Cable Connectors](#)



### TOOLS:

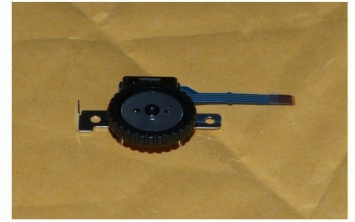
- [Magnetized jeweler's #1 Phillips screwdriver](#) (1)
- [small flathead screwdriver or other prying device](#) (1)



### PARTS:

- [Panasonic K0RB00300004](#) (1)

## Step 1 — New Part



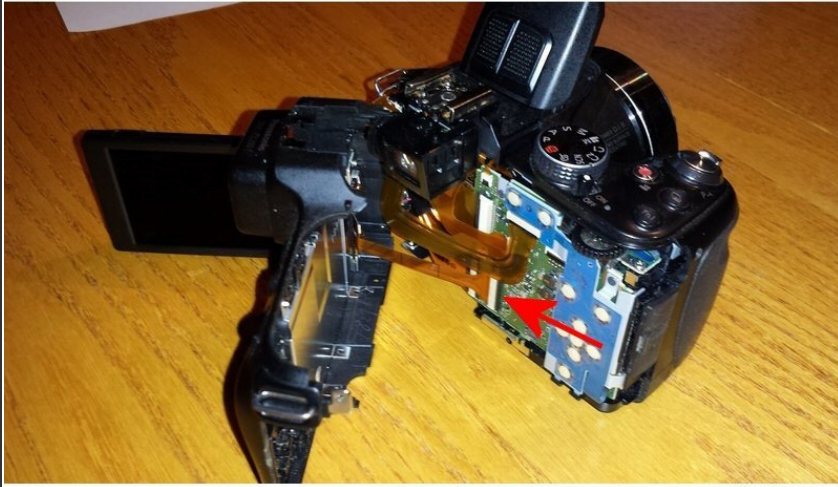
- The rear wheel switch is indicated by the red arrow. It can be scrolled left or right to select settings values and pressed to activate the selected changes.
- As indicated on the new part package, Panasonic P/N K0RB00300004. Note that the part number contains only zeroes, not the letter 'O'.
- The replacement part contains the wheel switch , flexible ribbon cable. and mounting details in a single replaceable unit.

## Step 2 — Separating the front and rear halves



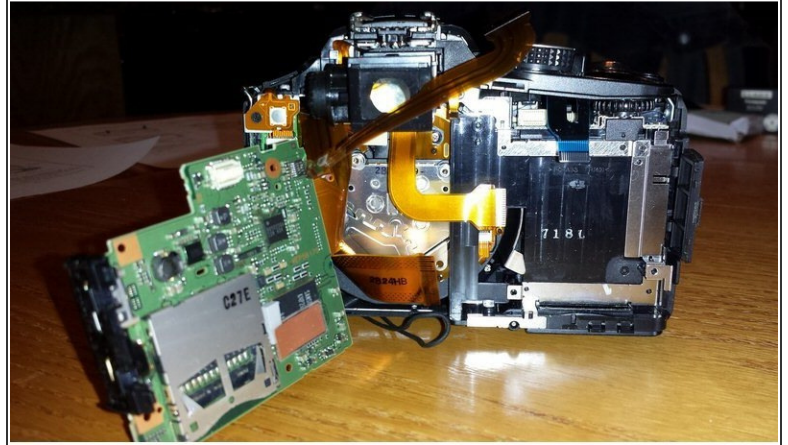
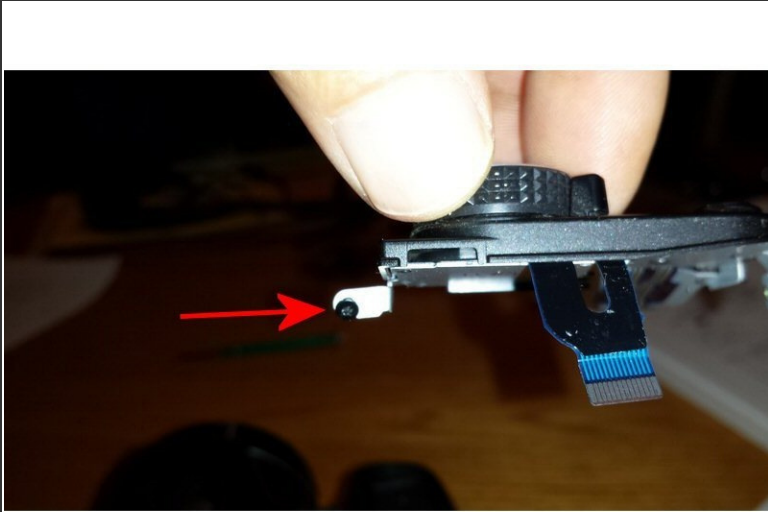
- Refer to section *8.3.1 Removal of the Rear Case Unit* of the Service Manual.
- To replace the rear wheel switch, you'll have to split the camera into its front and rear halves. Before you remove any screws, remove the battery and storage card.
- Use a small, flat screwdriver to pry out and remove the hot shoe spring. This allows access to screws beneath the hot shoe.
- Remove the two **black** screws as indicated. Leave the silver screws in place.
- Remove the following screws around the body of the camera: 2 bottom screws (on rear half), 2 right-side screws, 1 screw on left-hand side.

### Step 3 — Splitting the camera



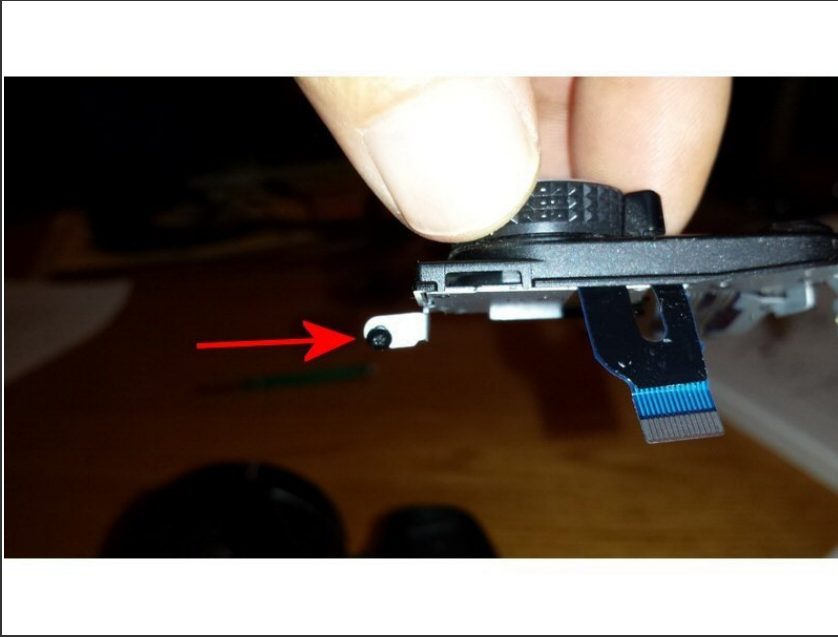
- With all 7 screws removed, you should be able to *carefully* and partially separate the two halves.
- Disconnect the indicated ribbon cable that joins the two halves and set the rear unit aside.



**Step 4 — OPTIONAL: Removal of the Rear Operation Unit and Main P.C.B.**

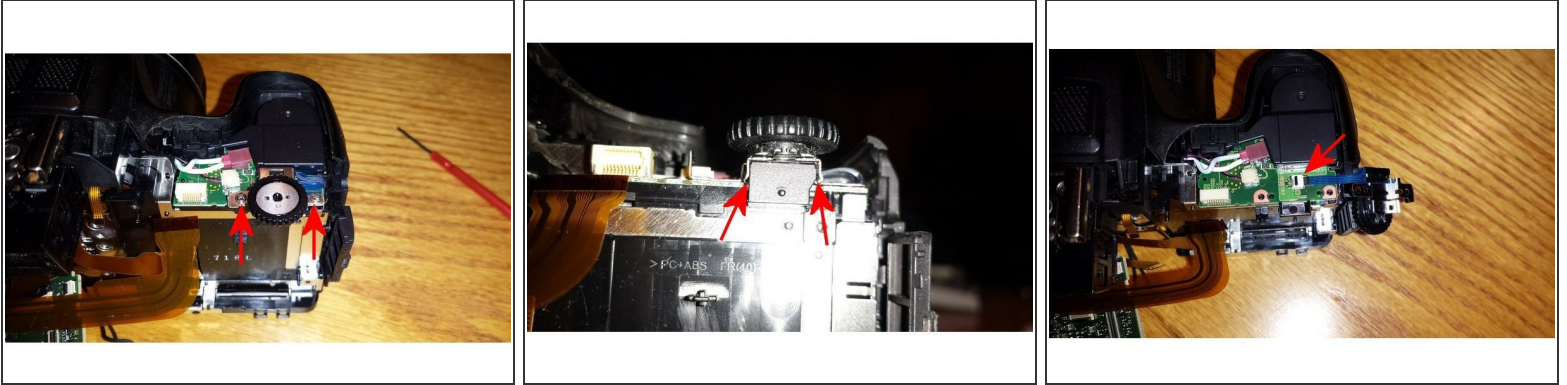
- During my repair, I removed the Rear Operation Unit and Main Printed Circuit Board (P.C.B.). However, in hindsight that may not have been necessary and requires disconnecting several ribbon cables. If the indicated retaining screw in the Top Unit is accessible and the Top Unit can be removed at this point, skip this section .
- Refer to section *8.3.2 Removal of the Rear Operation Unit* of the Service Manual.
- If necessary, remove the blue Main Operation Unit by removing its two retaining screws and connected ribbon cable. Note that the bottom of the MOU hooks into place and must be unhooked for removal.
- Refer to section *8.3.3 Removal of the Main P.C.B.* of the Service Manual.
- Remove the ribbon cables connected to the Main Printed Circuit Board (P.C.B.) and its single silver retaining screw, then remove the P.C.B.

## Step 5 — Remove the Top Operation Unit



- Refer to section 8.3.4 *Removal of the Top Operational Unit* of the Service Manual.
- Disconnect the Top Operation Unit ribbon cable if it was not disconnected for removal of the Main P.C.B. earlier.
- Unscrew the indicated Top Operation Unit retaining screw while simultaneously pulling back on the top unit to keep the screw in its Top Unit hole and prevent it falling out into the camera. Once the retaining screw comes loose, pull the Top Operation Unit out while keeping pressure on the screw.

## Step 6 — Remove the failed rear wheel switch unit



- Refer to section 8.3.10 *Removal of the Flash P.C.B.* of the Service Manual. Only the portion of *Fig. D14* dealing with replacing the switch unit is applicable to this repair - there is no need to dissipate the E.Capacitor or remove the Flash P.C.B.
- With the Top Unit removed, you gain access to the rear wheel switch itself. Start by removing the two top screws on either side of the wheel.
- Next, pry the wheel assembly from its mount using a small, flathead screwdriver on either side.
- Flip the switch over and disconnect its ribbon cable.

## Step 7 — Install the new switch



- Install the new rear wheel switch by holding the unit dial-down and fully inserting its ribbon cable into the ZIF connector. Lock the ribbon cable into the connector.
- Flip the switch over and seat it onto its mount point.
- Secure the switch using the two screws removed earlier.



To reassemble your device, follow these instructions in reverse order.

This document was last generated on 2017-07-08 01:29:19 AM.